FIG. 1A

HPV18-E6   HPV16-E6
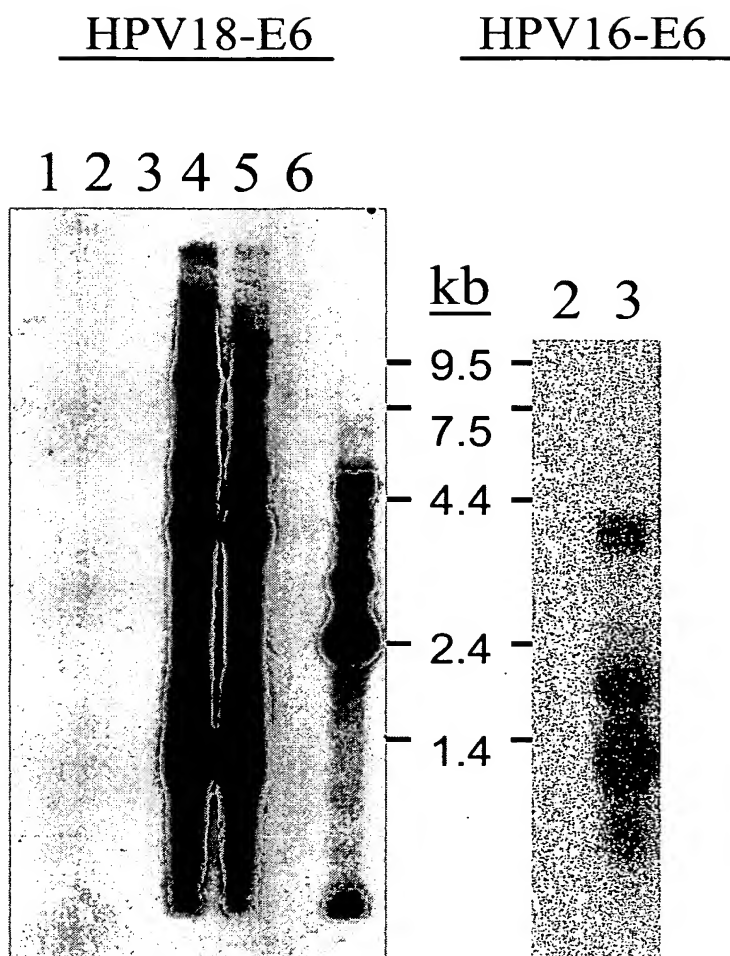
PolyA+ Northern analysis of Magi-1 and TIP-1 expression in cervical cancer cell lines
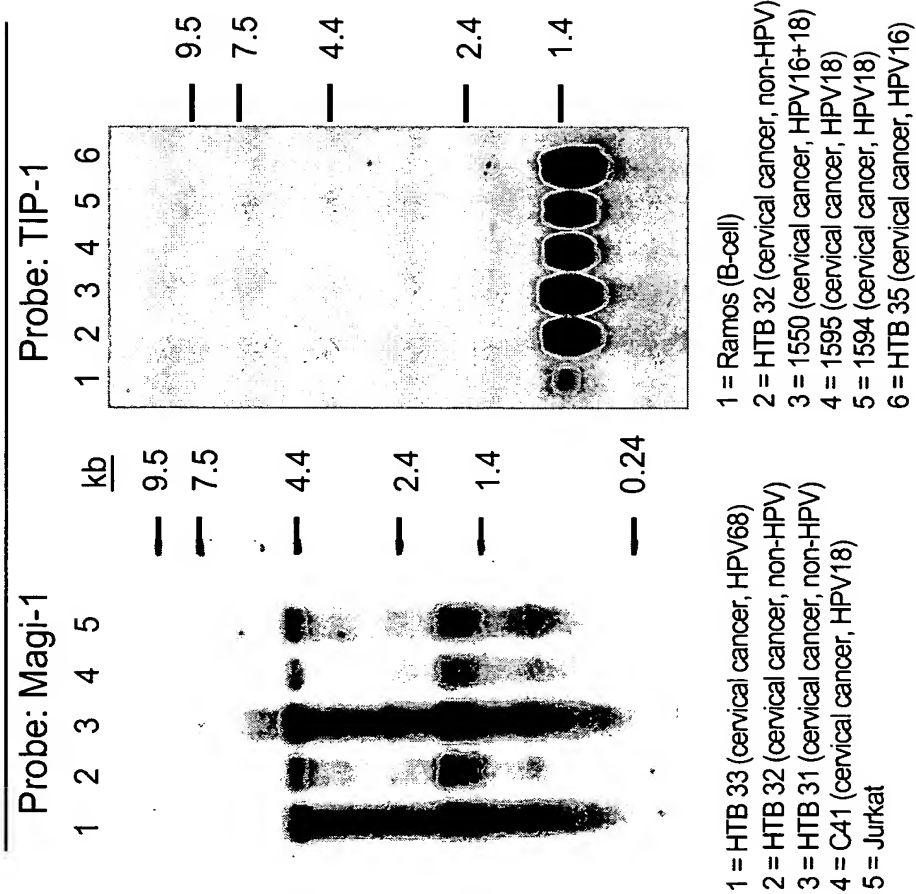
Probe: Magi-1

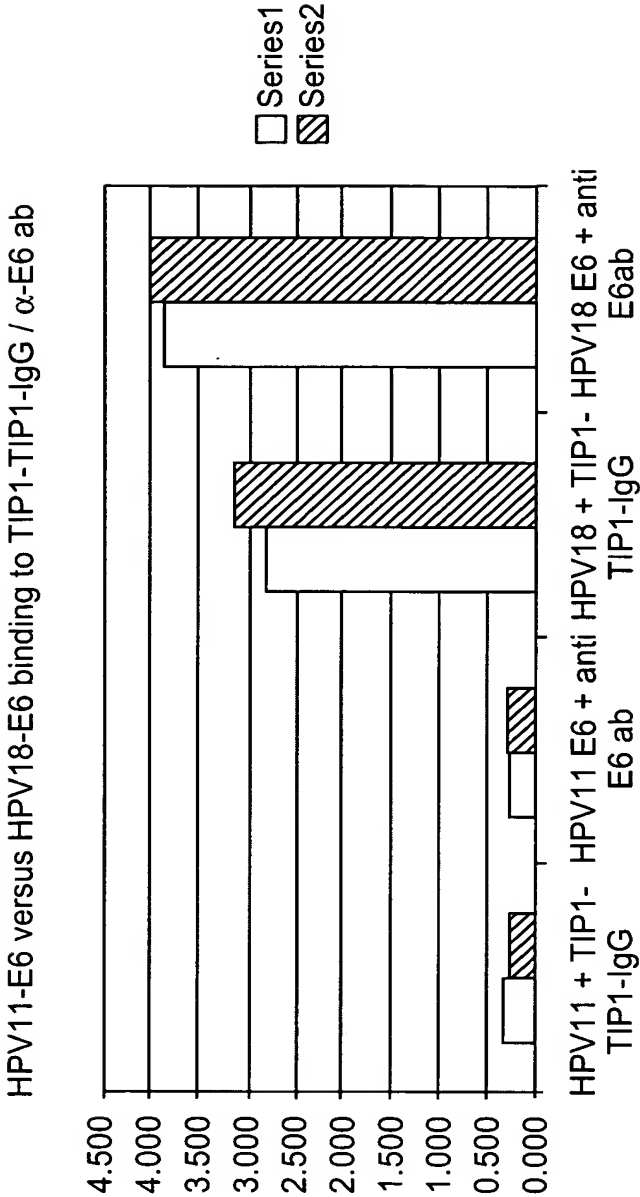Probe: TIP-1

kb
9.5
7.5
4.4
2.4
1.4
0.24

9.5
7.5
4.4
2.4
1.4

1 = HTB 33 (cervical cancer, HPV68)
2 = HTB 32 (cervical cancer, non-HPV)
3 = HTB 31 (cervical cancer, non-HPV)
4 = C41 (cervical cancer, HPV18)
5 = Jurkat

1 = Ramos (B-cell)
2 = HTB 32 (cervical cancer, non-HPV)
3 = 1550 (cervical cancer, HPV16+18)
4 = 1595 (cervical cancer, HPV18)
5 = 1594 (cervical cancer, HPV18)
6 = HTB 35 (cervical cancer, HPV16)

FIG. 1B

FIG. 2

HPV11-E6 versus HPV18-E6 binding to TIP1-TIP1-IgG / α-E6 ab

FIG. 3

TAX Inhibition of E616/TIP1

y = 0.175+(1.4-0.175)/(1+10^...		
	Value	Error
m1	0.094612	0.011535
m2	-1.1444	0.17909
Chisq	0.0081964	NA
R	0.99745	NA

[inhibitor]

FIG. 4

A

0.5uM 0.2uM 0.1uM 50nM 25nM 10nM

HPV 16 E6 (MBP-E6) oncoprotein

B

100uM Tax 10uM Tax 1uM Tax 100uM E6 10uM E6 1uM E6

Tax C-terminal Peptide   HPV 11-E6 C-terminal Peptide

C

1uM 10uM 100uM 1uM 10uM 100uM

HPV E6 16 C-terminal peptide   HPV E6 11 C-terminal peptide

FIG. 5A

Day 1
HPV E6 16 wildtype
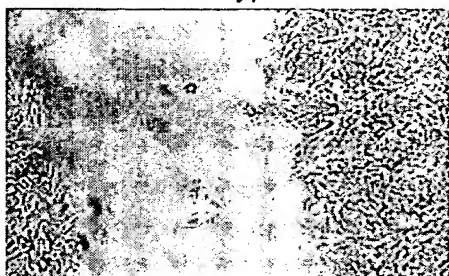
HPV E6 16 ΔPL
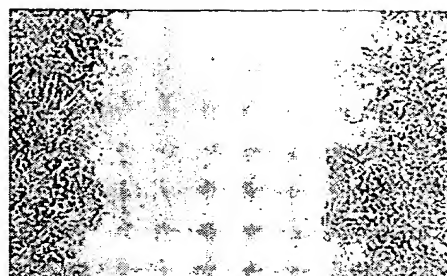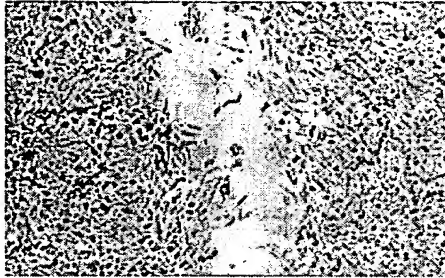

FIG. 5B

Day 3
HPV E6 16 wildtype

HPV E6 16 ΔPL
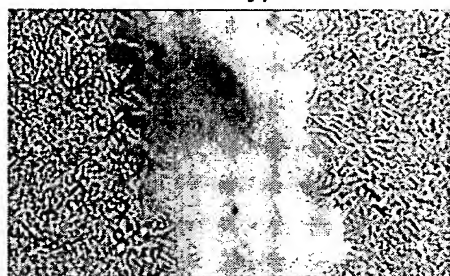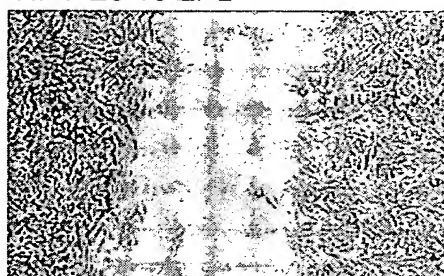
FIG. 5C

Day 5
HPV E6 16 wildtype

HPV E6 16 ΔPL
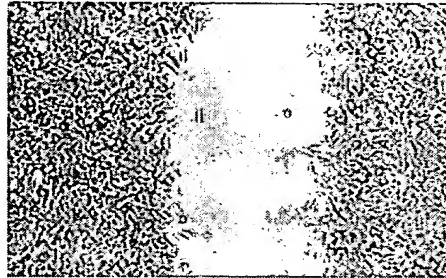
FIG. 5D

Day 7
HPV E6 16 wildtype
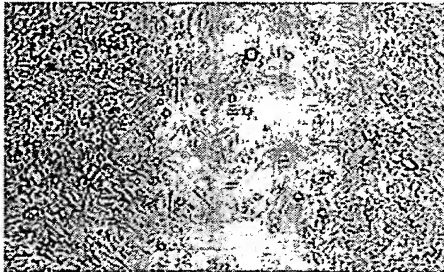
HPV E6 16 ΔPL
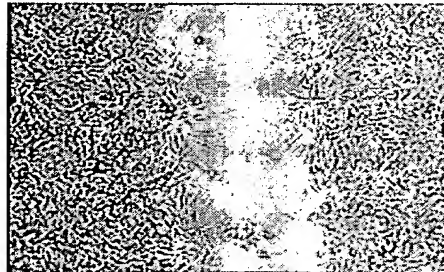
FIG. 6

JNK activation in mammalian cells
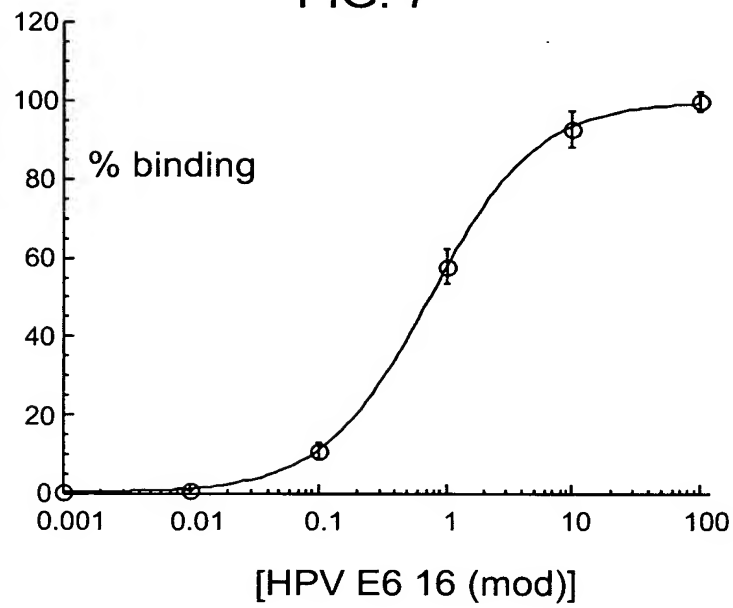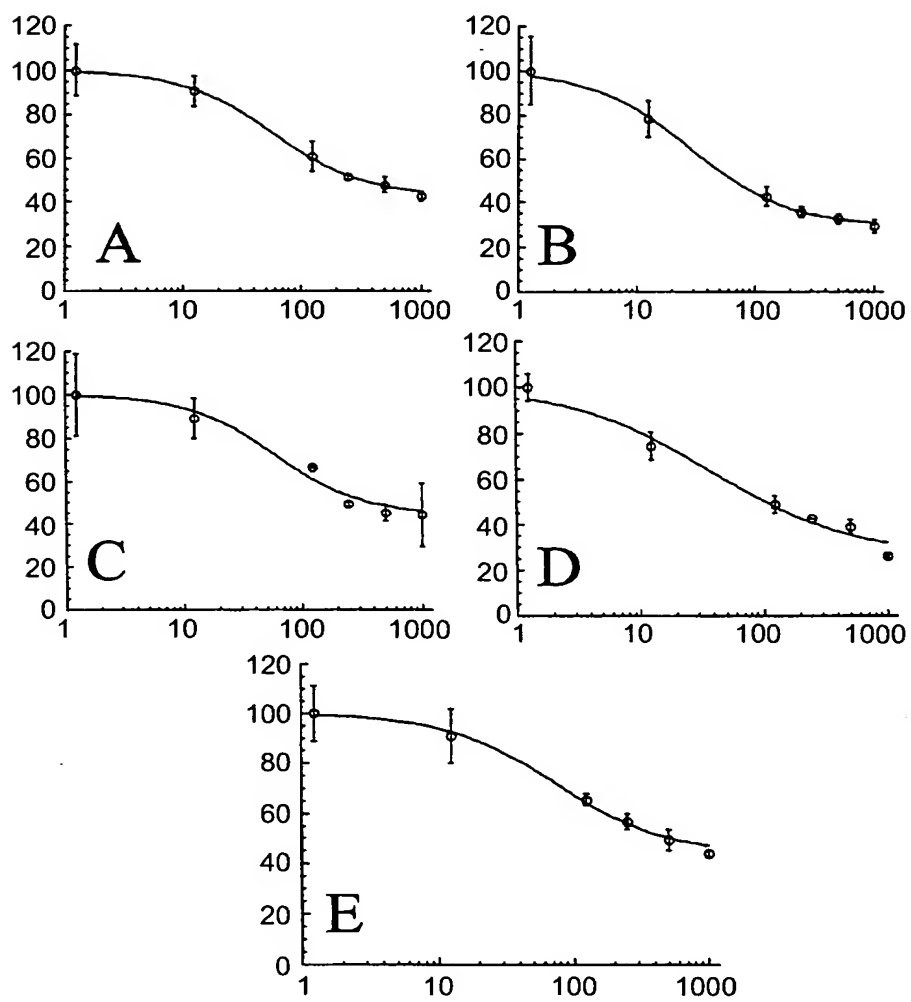

— GST-cJun

FIG. 7

% binding

[HPV E6 16 (mod)]

FIG. 8

FIG. 9A

HA-E7
HA-E6

HA   HA-E6   HA-E6ΔPL   HA-E7   HA-E6 / HA-E7   HA-E6ΔPL/ HA-E7

HA   HA-E6   HA-E6ΔPL   HA-E7   HA-E6 / HA-E7   HA-E6ΔPL / HA-E7   EGF   Sorbitol

GST-Jun

FIG. 9B

MBP-E6

HPV11   HPV16   HPV18

GST-Jun

E6 c-term. peptide [nM]

1000   10   0.1   0.01   control

GST-Jun

FIG. 9C

FIG. 9D

FIG. 10A

MAGI1 —

FIG. 10B

FIG. 10C

MAGI1 ———

FIG. 10D

Dlg1 ———

G

H

I

R'=CH3, OH, O2N

J

FIG. 11A

A

R'= Cl or F

B

R'=H, CH3 or CH2CH3

C

R'=H, CH3 or CH2CH3

D

E

F

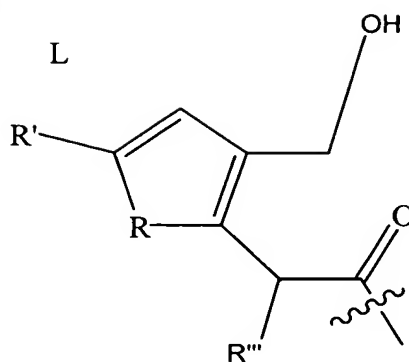R'=H, CH3 or CH2CH3
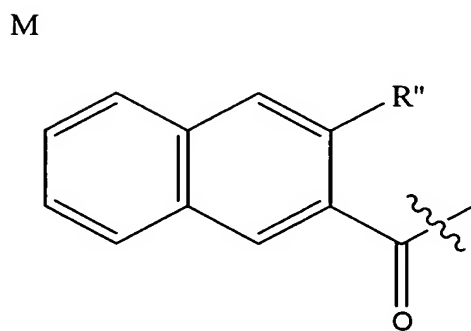
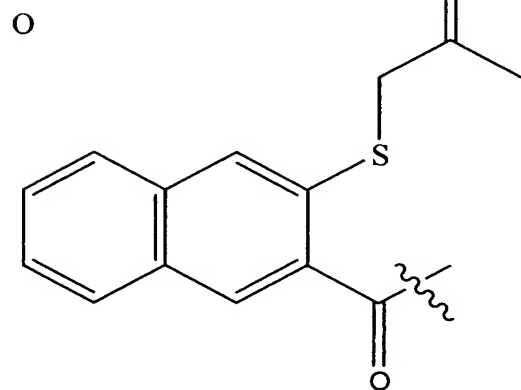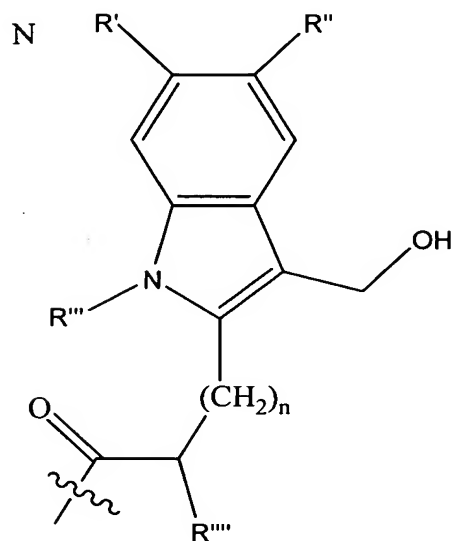FIG. 11B

K
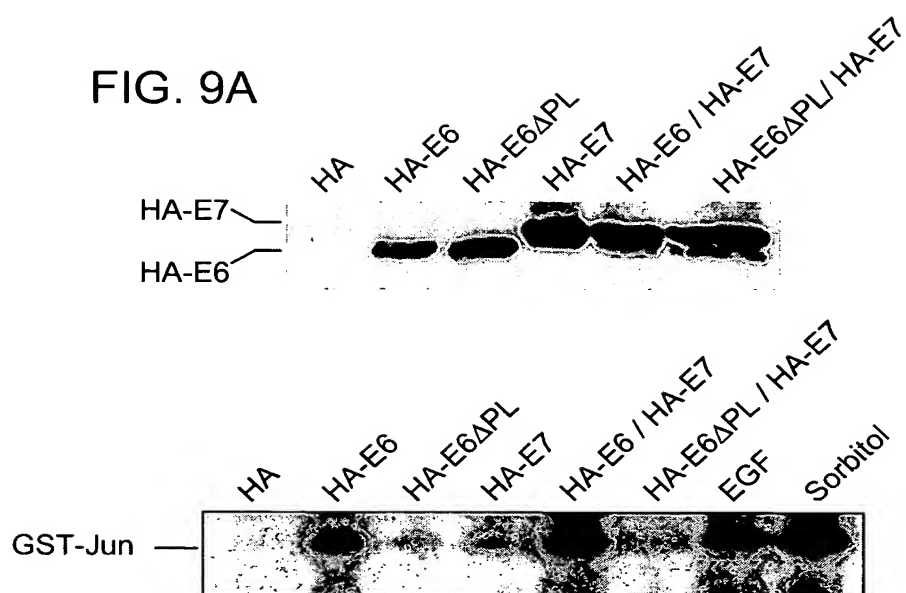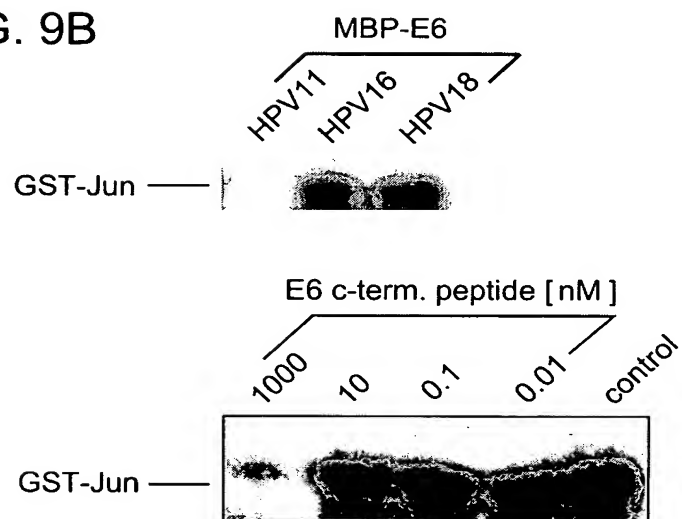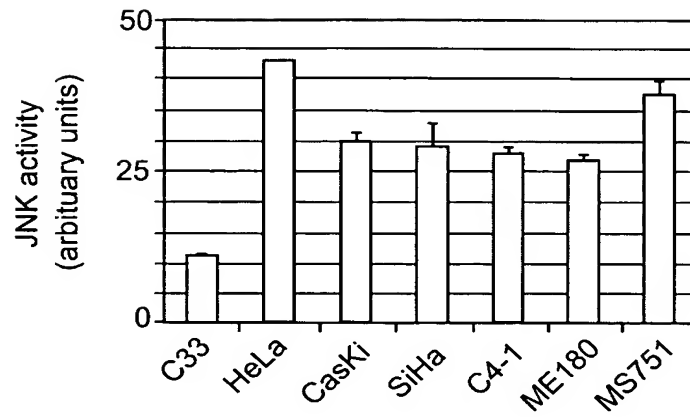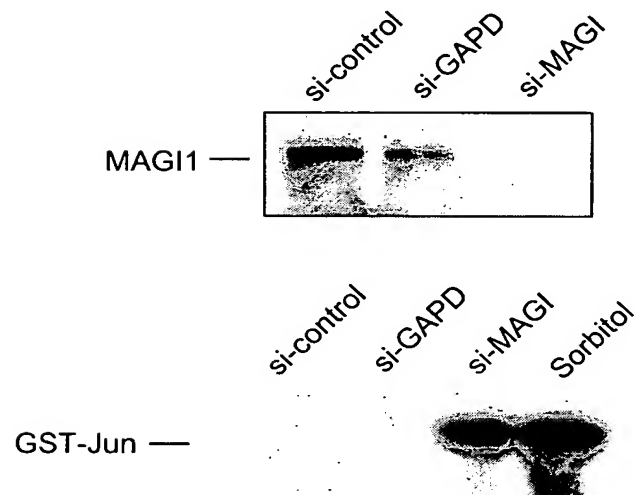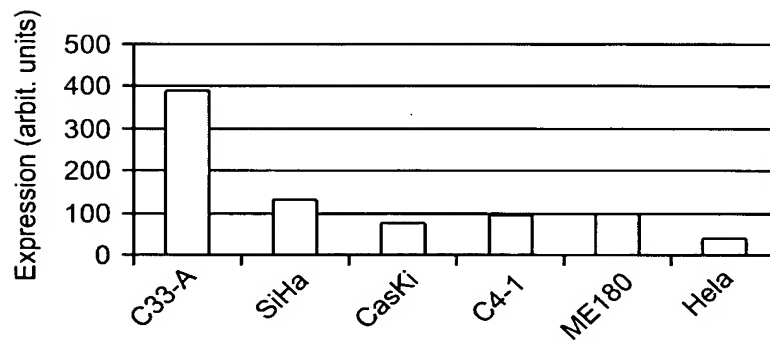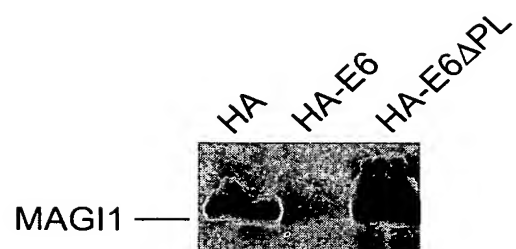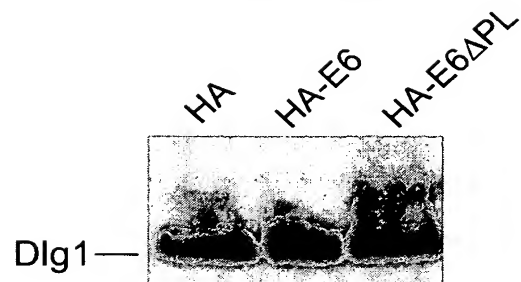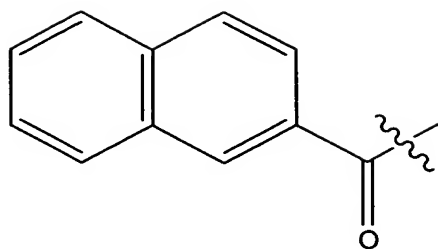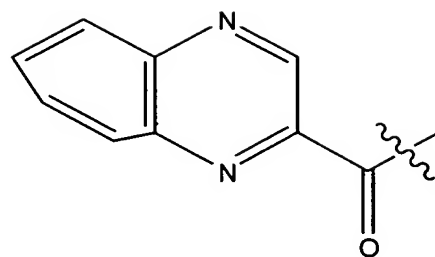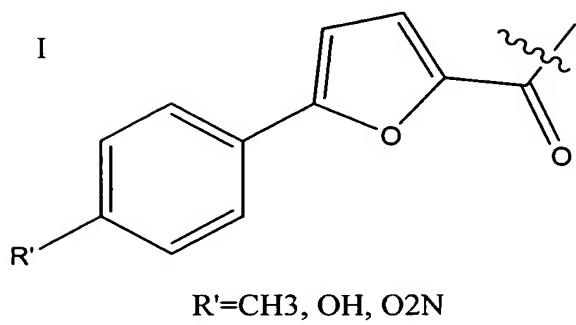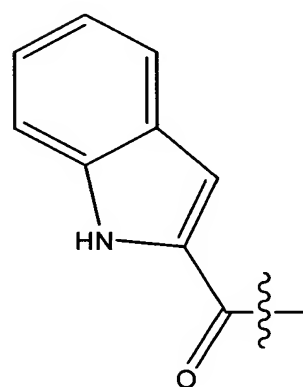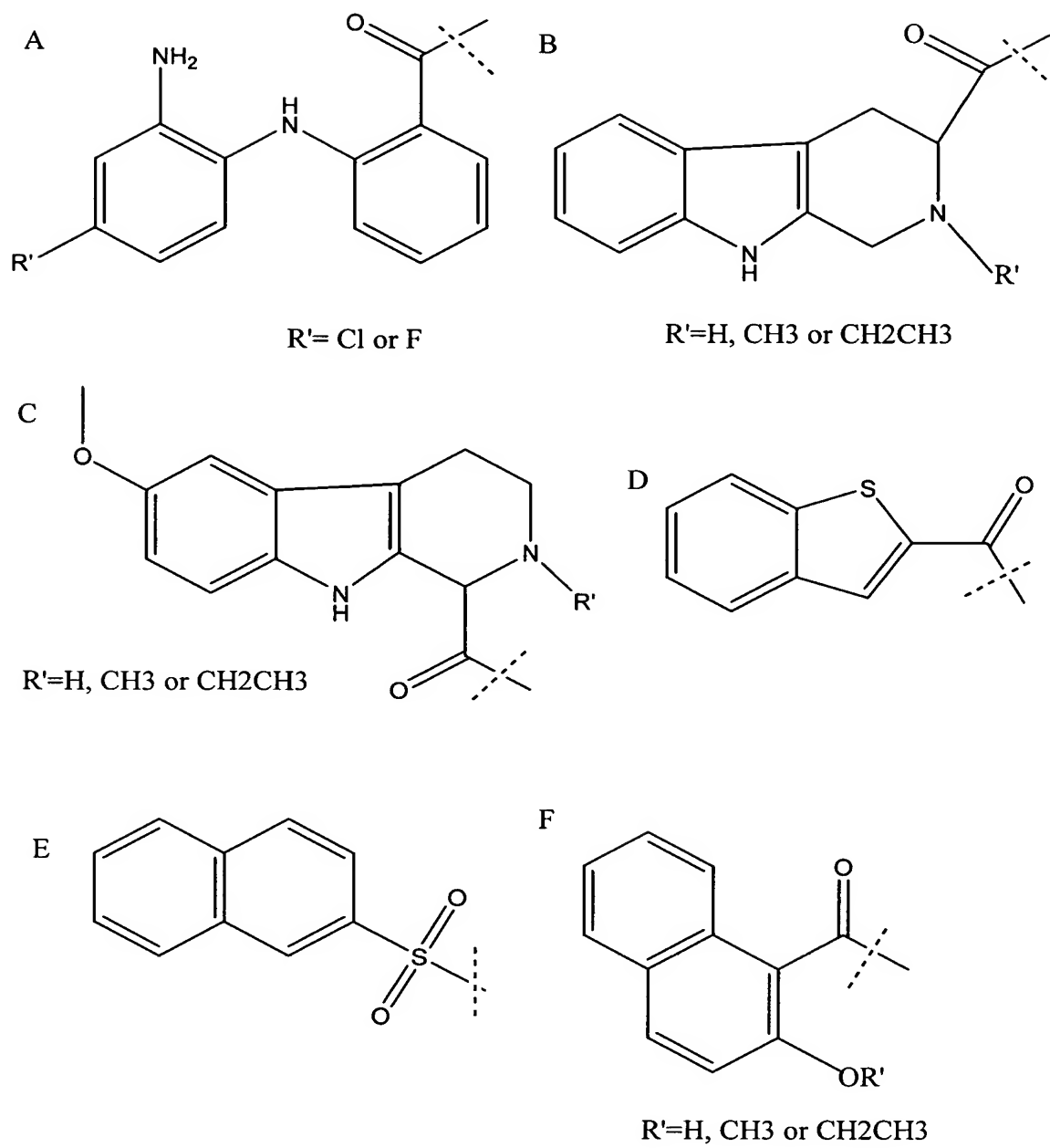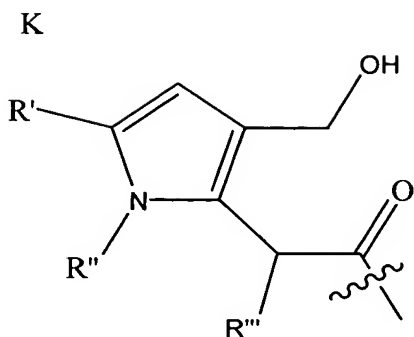
R'=H, CH₃, R"=H, CH₃, R'''=H, NH₂,CH₃

$R'=H, CH_3, R''=H, CH_3, R'''=H, NH_2,CH_3$

L

$R=O, S, R'=H, CH_3, R''=H, CH_3, R'''=H, NH_2, CH_3$

M

$R'=H,CH_3, OH, CH_2OH, NHR'', R''=H, CH_3$

N

$R'=H,OH,CH_3, CO_2H, OCH_3, R''=H, CH_3, OCH_3,CF_3, CH_2OH, OH, CH_2CH_2OH, R'''=CH_3, CH_2CH_3, CH_2Phe, CH_2CH_2Phe, CH_2CH_2OH, CH_2OH,CH_2CH_2CH_2OH, CH_2CO_2H, CH_2CH_2CO_2H, CH_2CH_2CH_2CO_2H, R''''=H,NH_2, n=0-10$

O

FIG. 11C